

## ABSTRACT OF THE DISCLOSURE

The present invention relates to a low impedance band-gap voltage reference circuit which comprises a band-gap reference circuit, a buffer circuit to reduce the impedance and related noise associated with band-gap references electronically coupled with the band-gap voltage reference circuit and a voltage pull-up device electronically coupled with both the band-gap reference circuit and the buffer circuit. The voltage pull-up device acts to reduce the supply voltage required to maintain a stable, low Z band-gap reference voltage.

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